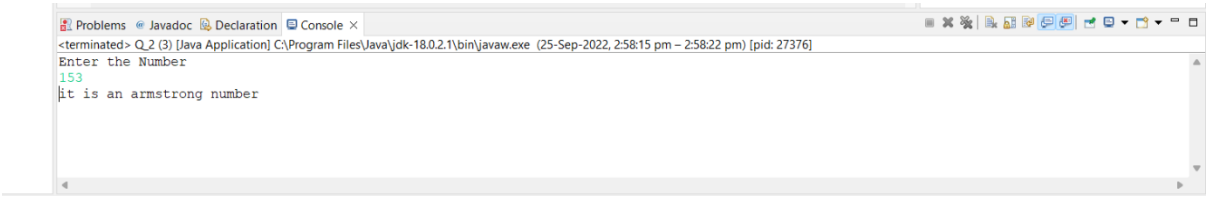
Q.1.

```
package Lab6;
import java.util.Scanner;
public class Q_1 {

	public static void main(String[] args) {

		// TODO Auto-generated method stub

	Scanner r =new Scanner (System.in);

System.out.println("Enter the temperature in Fahrenheit");
double f =r.nextDouble();

double c=( (f-32.0)*5.0)/9.0;


System.out.println("Temperature in Celsious is  " +c);


	}

}
```

Q.2.

```
package Lab6;
import java.util.Scanner;
public class Q_2 {
```

```
      public static void main(String[] args) {
// TODO Auto-generated method stub

            Scanner r =new Scanner (System.in);

            System.out.println("Enter the Number");
            int n=r.nextInt();

            int x=n/10;


            int a,b,c;

            a=x/10;
            b=x%10;
            c=n%10;

            if((a*a*a)+(b*b*b)+(c*c*c)== (n))
            {

            System.out.println("it is an armstrong number");
            }

            else
                  System.out.println("it is  not an armstrong number");

      }
}
```



Q.3.1.
```
package Lab6;
import java.util.Scanner;
```

```java
public class Q_3 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner r =new Scanner (System.in);


		int a,b,c,x;

		System.out.println("Enter the number of pizza");
		 a=r.nextInt();

		System.out.println("Enter the number of puffs");
		 b=r.nextInt();

		System.out.println("Enter the number of cold drink");
		 c=r.nextInt();


		System.out.println("cost of ordered pizza:  " +a*100 );
		System.out.println("cost of ordered puffs:  " +b*20 );
		System.out.println("cost of ordered cold drink:  " +c*10 );

		x=((a*100)+(b*20)+(c*10));

		System.out.println("Total price= "+x );
	}


}
```

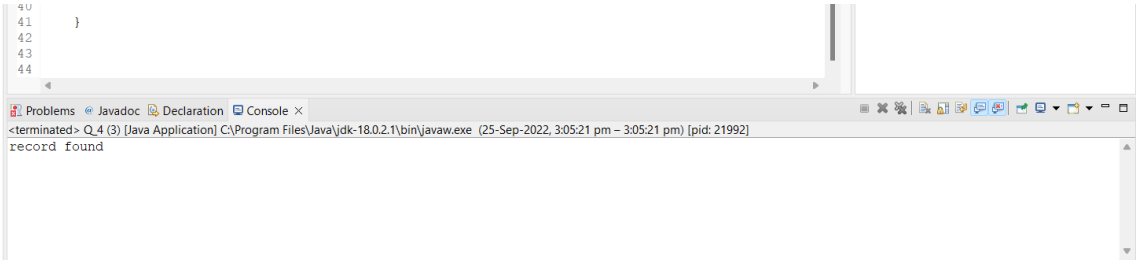
Q.3.2.

```
package Lab6;

import java.util.Scanner;

public class Q__3_2 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub


		Scanner r =new Scanner (System.in);

		System.out.println("Enter amount of kwh units of elecricity
consumed");
		double u=r.nextDouble();

		if(u>=1 && u<=100)
		System.out.println("charge for the units:  " +u*10);

		else if(u>100 && u<=200)
			System.out.println("charge for the units:  " +u*15);

		else if( u>200 && u<=300)
			System.out.println("charge for the units  " +u*20);

		else if(u>300)
			System.out.println( "charge for the units  " +u*25);
	}

}
```

Q.4.

```
package Lab6;
import java.util.*;
public class Q_4 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner r =new Scanner (System.in);

	int a[]= {1,2,3,4,5};
	int key=4;

	int f=0;                          //first
	int l=a.length-1;                //last

	int mid=(f+l)/2;

	while (f<=l)
	{
		if(a[mid]<key)
{
	f=mid+1;
}
else if (a[mid]==key)
{System.out.println("record found");
break;

}
else
{
	l=mid-1;
}
mid=(f+l)/2;

	}

	if (f>l)
```

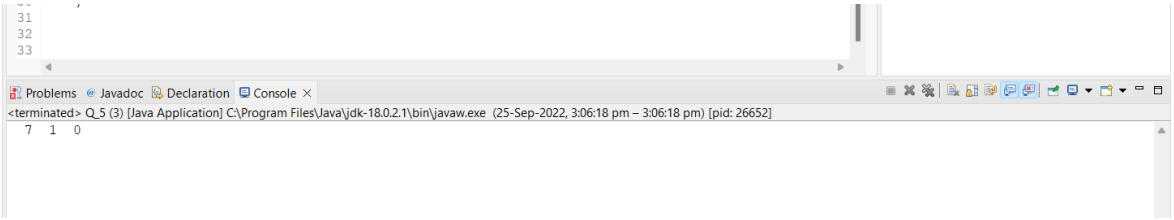
```
            System.out.println("record not found");
      }


      }
```



Q.5.

```
package Lab6;
import java.util.*;
public class Q_5 {

      public static void main(String[] args) {
            // TODO Auto-generated method stub


            int a[]= {4,7,1,0};

            for (int i=0;i<a.length;i++)
            {
                  boolean flag=false;
                  for (int j=i+1;j<a. length;j++)

                  {
                        if(a[i]<= a[j])
                        {
                              flag=true;
                              break;
                        }
                  }

                  if (flag==false)
                  {
                        System.out.print("   " +a[i]);
```

```
                        }
                    }
                }
            }
```



Q.6.

```
package Lab6;
import java.util.*;
public class Q_6 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

String s1= "cdacnoida";
String s2="ciddacnoa";

char c1[]=s1.toCharArray();
char c2[]=s2.toCharArray();

if (c1.length !=c2.length)

{
	System.out.println("Not an anagram");
}
	Arrays.sort(c1);
	Arrays.sort(c2);

	for (int i=0;i<c1.length;i++)
	{
		if(c1[i]!=c2[i])
		{
			System.out.println("Not an anagram");
		System .exit(0);
		}

	}
```

```
            System.out.println("An anagram");
        }
    }
```